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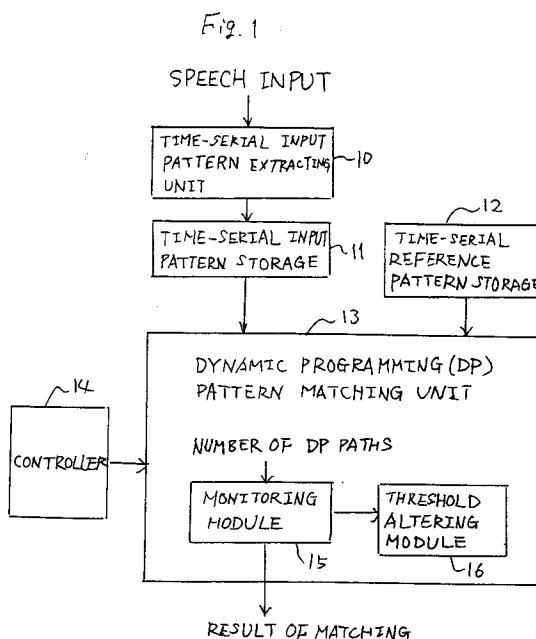
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07.07.93 Bulletin 93/27(71) Applicant: **FUJITSU LIMITED**
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al
Haseltine Lake & Co. Hazlitt House 28
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London WC2A 1AT (GB)(54) **Dynamic programming matching system for speech recognition.**

(57) A dynamic programming or DP matching system for speech recognition in which upon DP matching, cumulative distance is compared with a threshold value at every sampling time point of speech pattern for thereby restricting the number of DP paths in the succeeding matching process. The number of DP paths remaining at each speech pattern sampling time point is monitored by a monitoring module (15) for altering a threshold value for decreasing the number of the DP paths. When the DP Path number becomes excessively large, the threshold is increased to thereby decrease the DP path number. Capacity of a DP data storing memory (11) can be reduced while preventing the matching capability from being lowered.

**EP 0 525 640 A3**



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EUROPEAN SEARCH REPORT

Application Number

DOCUMENTS CONSIDERED TO BE RELEVANT			EP 92112584.5
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
X	<u>US - A - 4 866 778</u> (BAKER) * Fig. 1; claims 1,11; abstract * --	1	G 10 L 9/18 G 10 L 9/16 G 10 L 7/08 G 10 L 5/00 G 10 L 9/06
A	<u>US - A - 4 624 008</u> (VENSKO et al.) * Fig. 1; abstract; column 1, line 59 - column 2, line 9 * --	1-5	
A	<u>DE - A - 4 002 336</u> (RICOH CO LTD) * Fig. 5,6,8; abstract * -----	1-5	
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			G 10 L 9/00 G 10 L 7/00 G 10 L 5/00
The present search report has been drawn up for all claims			
Place of search VIENNA		Date of completion of the search 29-04-1993	Examiner BERGER
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ----- & : member of the same patent family, corresponding document	